

PATENT APPLICATION  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q86429

Andrew Lennard LEWIS, et al.

Appln. No.: Unknown

Confirmation No.: Unknown

Group Art Unit: Unknown

Filed: March 23, 2005

Examiner: Unknown

For: POLYMER COMPOSITIONS FOR ADMINISTRATION TO ANIMALS

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. WO 00/28920 published May 25, 2000, to Biocompatibles Limited.
2. WO 95/20407 published August 3, 1995, to Biocompatibles Limited.
3. WO 01/68720 published September 20, 2001, to Biocure, Inc.
4. JP 11-322948 published November 26, 1999, to NOF Corporation with machine-generated English translation.
5. WO 97/45131 published December 4, 1997, to Micro Therapeutics, Inc.
6. WO 00/29481 published May 25, 2000, to Biocompatibles Limited.
7. U.S. Patent No. 3,497,482 issued February 24, 1970, to Hwa.

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8. G.R. Llanos et al., "Heparin-poly(ethylene glycol)-poly(vinyl alcohol) hydrogel: preparation and assessment of thrombogenicity", *Biomaterials* 1992, Vol. 13, No. 7, pp. 421-424.
9. K. Ishihara et al., "Polymeric Lipid Nanosphere as a Novel Drug Carrier Through Blood Stream", *Proceed. Int'l. Symp. Control. Rel. Bioact. Mater.*, Vol. 24, 1997, pp. 465-466.
10. K. Ishihara et al., "Reduced thrombogenicity of polymers having phospholipids polar groups", *Journal of Biomedical Materials Research*, Vol. 24, 1990, pp. 1069-1077.
11. K. Sugiyama et al., "Surface Modified Polymer Microspheres Obtained by the Emulsion Copolymerization of 2-Methacryloyloxyethyl Phosphorylcholine with Various Vinyl Monomers", *Polymer Journal*, Vol. 26, No. 5, 1994, pp. 561-569.
12. K. Sugiyama et al., "Synthesis of Poly(methyl methacrylate) Microspheres Bearing Phosphatidylcholine Analogous and Azobenzene Moieties", *Polymer Journal*, Vol. 25, No. 5, 1993, pp. 521-527.
13. K. Sugimaya et al., "Adsorption of Protein on the Surface of Thermosensitive Poly(Methyl Methacrylate) Microspheres Modified with the *N*-(2-Hydroxypropyl) methacrylamide and 2-(Methacryloyloxy) ethyl Phosphorylcholine Moieties", *Journal of Polymer Science: Part A: Polymer Chemistry*, Vol. 35, 1997, pp. 3349-3357.
14. R. Zimehl et al., "Some aspects of polymer colloids I. Preparation and properties of different types of latex particles", *Colloid Polym. Sci.*, Vol. 268, 1990, pp. 924-933.

One copy of each of the listed documents is submitted herewith, except for the U.S.

Patent (Reference No. 7 above). References 1-6 were cited in the International Search Report, a copy of which is also attached.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after

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JC06 Rec'd PCT/PTO 23 MAR 2005


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filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,

  
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WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Date: March 23, 2005

Substitute for Form 1449 A & B/PTO  <b><u>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</u></b>  (use as many sheets as necessary)				Complete if Known	
				Application Number	Unknown
				Confirmation Number	Unknown
				Filing Date	March 23, 2005
				First Named Inventor	Andrew Lennard LEWIS
				Art Unit	Unknown
Examiner Name	Unknown				
Attorney Docket Number	Q86429				
Sheet	1	of	1		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US 3,497,482		02-24-1970	Hwa
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		WO	00/28920	A1	05-25-2000	Biocompatibles Limited	
		WO	95/20407	A1	08-03-1995	Biocompatibles Limited	
		WO	01/68720	A1	09-20-2001	Biocure, Inc.	
		JP	11-322948		11-26-1999	NOF Corporation	YES
		WO	97/45131	A1	12-04-1997	Micro Therapeutics, Inc.	
		WO	00/29481	A1	05-25-2000	Biocompatibles Limited	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		G.R. Llanos et al., "Heparin-poly(ethylene glycol)-poly(vinyl alcohol) hydrogel: preparation and assessment of thrombogenicity", <i>Biomaterials</i> 1992, Vol. 13, No. 7, pp. 421-424	
		K. Ishihara et al., "Polymeric Lipid Nanosphere as a Novel Drug Carrier Through Blood Stream", <i>Proceed. Int'l. Symp. Control. Rel. Bioact. Mater.</i> , Vol. 24, 1997, pp. 465-466	
		K. Ishihara et al., "Reduced thrombogenicity of polymers having phospholipids polar groups", <i>Journal of Biomedical Materials Research</i> , Vol. 24, 1990, pp. 1069-1077	
		K. Sugiyama et al., "Surface Modified Polymer Microspheres Obtained by the Emulsion Copolymerization of 2-Methacryloyloxyethyl Phosphorylcholine with Various Vinyl Monomers", <i>Polymer Journal</i> , Vol. 26, No. 5, 1994, pp. 561-569	
		K. Sugiyama et al., "Synthesis of Poly(methyl methacrylate) Microspheres Bearing Phosphatidylcholine Analogous and Azobenzene Moieties", <i>Polymer Journal</i> , Vol. 25, No. 5, 1993, pp. 521-527	
		K. Sugimaya et al., "Adsorption of Protein on the Surface of Thermosensitive Poly(Methyl Methacrylate) Microspheres Modified with the N-(2-Hydroxypropyl) methacrylamide and 2-(Methacryloyloxy) ethyl Phosphorylcholine Moieties", <i>Journal of Polymer Science: Part A: Polymer Chemistry</i> , Vol. 35, 1997, pp. 3349-3357	
		R. Zimehl et al., "Some aspects of polymer colloids I. Preparation and properties of different types of latex particles", <i>Colloid Polym. Sci.</i> , Vol. 268, 1990, pp. 924-933	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.